

An early action on the merits is requested.

Respectfully submitted,

JOACHIM GLUCK

By

*Barry L. Kelmachter*

Barry L. Kelmachter  
Attorney for Applicant

Area Code: 203  
Telephone: 777-6628  
Telefax : 865-0297

Date: March 7, 2001

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Antoinette Sullo

Name and Reg. No. of Attorney

*Antoinette Sullo*

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3-7-01

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120. A composite profiled section comprising a basic profiled section (1) made from a material with a good electrical conductivity and at least one surface coating which is joined to the basic profiled section and is made from a material with a higher resistance to abrasion, in particular a metal wearable strip (19), wherein the wearable strip (19), on at least one of its longitudinal edges (23), has recesses (27), which are at least partially filled by means of a joining material (59) or joining profiled section (11, 39, 66, 69, 74) and are thus joined to the basic profiled section (1) in a nonpositively and/or positively locking manner.

121. The composite profiled section as claimed in claim 120, wherein the recesses (27), on the edge side, define an anchor bar (25) of a height (h).

122. The composite profiled section as claimed in claim 120, wherein the basic profiled section (1) and/or the joining profiled section (39) has profiled-section limbs (11, 41) on at least one side of the rail head (3), which at least partially cover the recesses (27).

123. The composite profiled section as claimed in claim 122, wherein the profiled-section limb (11, 41) has an outer

profiled-section thickened part (43) or an inner profiled-section thickened part (45).

124. The composite profiled section as claimed in claim 120, wherein the basic profiled section (1) has an insert groove (49) for a joining profiled section (39).

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125. The composite profiled section as claimed in claim 120, wherein the basic profiled section (1) has a filling recess (61) or calking groove (67) substantially behind the recesses (27) in the steel-strip limbs (20).

126. The composite profiled section as claimed in claim 125, wherein the filling recesses (61) or calking grooves (67) have a barb-like internal molded niche (68) on the inner surfaces.

127. The composite profiled section as claimed in claim 120, wherein a rail foot (9) circumferentially has at least one profiled-section notch (13) for installation of a further wearable strip (7).

128. The composite profiled section as claimed in claim 120, wherein the basic profiled section (1) has at least one further securing groove (101) on the underside (8) and/or one of the side faces of the rail foot (9).

129. The composite profiled section as claimed in claim 120, wherein the basic profiled section (1) has at least one further insert groove (109) for a further sliding profiled section (7.7) on the underside (8) of the rail foot (9).

*Q1*  
*Cont.*  
130. The composite profiled section as claimed in claim 120, wherein the basic profiled section (1) has a profiled-section notch around at least one outer limb of the rail foot (9), for a sliding strip (7.5, 7.8) which is substantially in the form of a half-shell or is bent in the manner of a clamp.

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131. The composite profiled section as claimed in claim 120, wherein a sliding strip (7) is inserted or mounted in one of the profiled-section notches (13, 109).

132. The composite profiled section as claimed in claim 131, wherein the sliding strip (7) is made from stainless steel.

133. The composite profiled section as claimed in claim 131, wherein the sliding strip (7) consists of an electrically nonconductive material.

134. The composite profiled section as claimed in claim 131, wherein the sliding strip (7), at at least one longitudinal edge (110), has rectangular (111) or triangular (113) molded

protuberances on at least one of the two longitudinal sides.

135. The composite profiled section as claimed in claim 131, wherein the sliding strip (7), along at least one longitudinal edge (110), has a transverse ribbed structure (114) on a narrow side strip or on the entire sliding surface (119) and/or underside (120).

136. A process for producing a composite profiled section having a basic profiled section (1) made from a material with good electrical conductivity and at least one surface coating which is joined to the basic profiled section (1) and is made from a material with a higher resistance to abrasion, in particular a wearable strip (19) of stainless steel, by producing a mechanical and positively locking connection, in particular for producing composite profiled sections as claimed in at least one of claims 1-16, wherein a joining material (59) or material of a joining profiled section (11, 39, 66, 69, 74) is introduced mechanically from the outside into recesses (27) and produces a mechanically positively locking, material-to-material join between basic profiled section (1) and wearable strip (19).

137. The process as claimed in claim 136, wherein the assembly of the steel strip (19) takes place by means of calking bars (69) or grooved wedges (74), as a result of

calking tongues (73) being pressed through the recesses (27) in the steel strip (19) and into calking grooves (67) in the basic profiled section (1) and/or being calked therein.

138. The process as claimed in claim 136, wherein the assembly of the steel strip (19) takes place by means of rivets, screws or similar connecting elements, as a result of these elements being hammered or screwed through the recesses (27) into the calking groove (67) in the basic profiled section (1) or being connected using the appropriate joining technique.

139. The process as claimed in claim 136, wherein profiled-section limbs (11) of the rail head (3) or limbs (41) of separate joining profiled sections (39) are pressed onto the steel-strip limbs (20) from the outside and in the process are plastically deformed.

140. The process as claimed in claim 136, wherein by means of calking tools material of the profiled-section limb (11) is calked into the recesses (27) in the steel strip with plastic deformation.

141. The process as claimed in claim 136, wherein the calked material of the profiled-section limbs (11) at least partially fills the recesses (27).

142. The process as claimed in claim 136, wherein the steel-strip limbs (20) are mounted toward rail foot (9) or profiled-section center, forming a tensile stress which continuously pulls the steel strip (19) onto the rail head (3).

143. The process as claimed in claim 136, wherein the mounting of the steel strip (19) in sections takes place by means of hydraulic pliers units.

144. The process as claimed in claim 136, wherein the mounting of the steel strip takes place continuously by means of pressure-exerting rollers and/or calking rollers.

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